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Dec 20, 2002

DERWENT-ACC-NO: 2003-146599

DERWENT-WEEK: 200314

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TITLE: Apparatus for electromagnetically refining electroconductive melts

INVENTOR: KHRISTINICH, E V; KHRISTINICH, R M ; MARAKUSHIN, N P ; TIMOFEEV, V N

PATENT-ASSIGNEE:

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PRIORITY-DATA: 2001RU-0102331 (January 25, 2001)

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PATENT-FAMILY:

PUB-NO

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RU 2194779 C2

December 20, 2002

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C22B009/00

APPLICATION-DATA:

PUB-NO

APPL-DATE

APPL-NO

DESCRIPTOR

RU 2194779C2

January 25, 2001

2001RU-0102331

INT-CL (IPC): C22 B 9/00

ABSTRACTED-PUB-NO: RU 2194779C

BASIC-ABSTRACT:

NOVELTY - Apparatus includes inductor; metal conduit comprising lined ducts in zone of which rotary magnetic field is created for rotating melt metal in the ducts; system for introducing refining gas and system for turning. Metal conduit is inclined by an angle of 20-70 deg. relative to the vertical plane by turning system.

USE - Metallurgy, for out-of-furnace electromagnetic refining of electrically conductive melts for preparing and casting alloys.

ADVANTAGE - Possibility for changing length and direction of motion path of refining gas in metal conduit depending upon kind of alloy.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: APPARATUS ELECTROMAGNET REFINE ELECTROCONDUCTING MELT

DERWENT-CLASS: M28 X25

CPI-CODES: M28-C03;

EPI-CODES: X25-Q01;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2003-037643

Non-CPI Secondary Accession Numbers: N2003-115691

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